

**SITE ALARA COMMITTEE (SAC) and ALARA COORDINATOR  
COUNCIL (ACC) MEETING MINUTES -5/7/12**

The Site ALARA Committee and ALARA Coordinator Council met on May 7, in 735-2B rm.126, from 10:00 – 11:00 a.m.

Attendees:

Benjamin Terry	Dave Potocik	Jenna Sexton	Mike Lewczyk
Brad Turley	David Sanders	Jim Wilson	Paul Hunt
Carol Hunter	David Wagoner	John Gall	Robbie Black
Chuck Sanders	Dennis Hadlock	Kela Johnson	Roy Windham
Cindy Head	Ellen Parrish	Kevin Gallahue	Sean Barr
Cindy Lunsford	Geoff Reynolds	Lynn Anderson	Ted Padezanin
Cork Blackshire	Gordon Quillin	Mark Flake	Terry Pifer
Dante Wells	Greg Tunno	Mark Kokovich	Thomas Smith
Dave McGuire	JC Wallace	Mike Conaway	Trent Edwards

The Quorum was met.

**1) Introduction:** Gordon Quillin

Gordon Quillin began the meeting by welcoming the attendees and reviewing the purpose of the Site ALARA Committee Charter. It was established that there were sufficient voting members in attendance for a Quorum.

See attached Agenda: 

**2) +/- 25% Discrepancies:** Facility Representatives

HCA reported that some planned work scope did not begin in the first quarter, although some of the work will be moved into the next several quarters. The Facility Manager plans to continue monitoring the dose closely and will decide if he can revise the goal at a later date.

WSI-SRS reported that in the 1<sup>st</sup> Quarter dose was lower than expected. The WSI ALARA Coordinator requested that WSI reduce their goal from 1.5 rem to 1.3 rem over the next three quarters. This request was approved by the SAC voting members.

SRNL also reported that some of the special work planned was not performed, such as the K-Tank work, receipt of Liquid Waste samples, and the receipt of the 8 Ton Cask. This work was moved out and will resume over the next several quarters.

K-Area worked half of the planned work. There is some concern that the data has some anomalies for the work groups entering the KAMS and KIS work areas. The RPD manager will

be comparing the area monitoring badge data to previous cycles to see if there are any concerns with that data. The External Dose Department Lead had verified that the new conversion factor for Neutrons was working properly within ProRad and that the data was correct.

SWM estimated their goal using the “worst case” scenario. There were some areas that the dose was lower than expected, such as the Poly-box work and at Cell 11. Additionally, the OSA 3 held up movement of containers within E, F, and H Areas and F Drums and Boxes did not work for over a month. SWM expects to pick up the dose during the handling of 28 old SRNL containers during the next few quarters.

See attached slide: 

LWO reported that an outage was moved forward into the 1<sup>st</sup> quarter in Saltstone. There have been no process upsets and no processing of work during this time. HTF’s major outage at MCU started in the last week of the quarter instead of the 1<sup>st</sup> quarter as planned. Also, work at the Evaporator was postponed.

See attached slides:  

The F/H Lab/Canyon RPD Facility Manager requested that FCA be allowed to reduce their goal by 0.200 Rem which was then approved by the SAC voting members.

Summary: The Site Annual ALARA Goal shall be reduced by 0.4 Rem. The annual goal of 167.977 Rem will be reduced to 167.577 Rem.

**ACTION DUE:** Revise Annual ALARA Goal. **Responsible Person:** Ellen Parrish **DUE Date:** 5/21/12

See attached Goal: 

### 3) Facility Neutron Correction Factor: Dante Wells

Dante Wells from External Dosimetry addressed the committee on the impacts of the 1<sup>st</sup> quarter neutron correction factor change. It was noted that the only database that was changed was a ProRad module that contains the neutron correction factor (CF). The original CF was 1.39 and the new one is 2.5. The same TLD’s, protocols, and LLDs (lower level of detection) are being used. Dante has performed a review of the 1<sup>st</sup> Quarter data and found that it is working correctly. JC Wallace, K-Area Facility Manager, has some concerns with the amount of dose realized by his personnel in K-Area. Dante will follow up with an assessment of the Area Monitoring badges in neutron areas to ensure that there are no concerns in this area.

**ACTION DUE:** Perform assessment of Area Monitoring badges in neutron areas.  
**Responsible Person:** Dante Wells **Due Date:** 5/29/12

See attached power point:  

**4) 1st Quarter Performance Indicators:** Ellen Parrish

The RPD Scorecard and Performance Indicator Summary sheet were utilized to review the Performance Indicators for the 1<sup>st</sup> Quarter. The PBIs are located under Facility Specific Metrics. The following chart was reviewed:

- Site Cumulative Exposure vs. Goal

See attached Chart: 

The Site Cumulative dose of 29.919 rem was  $\geq 25\%$  of the Site exposure target of 53.488 rem. The M&O YTD dose of 12.44 rem was  $\geq 25\%$  of their target of 24.912 rem. The LWO YTD dose of 15.598 rem was  $\geq 25\%$  of their target of 28.576 rem. SRNL and WSI were also  $\geq 25\%$  of their target.

The CYTD maximum whole body dose received in M&O was 265 mrem, 167 mrem in LWO, 79 mrem in SRNL, and 45 mrem in WSI-SRS.

The YTD maximum extremity dose received in M&O was 2.909 rem and 8.666 rem in LWO.

There were zero ORPS personnel contamination events in M&O and one in LWO during the 1st quarter. M&O has had one non-ORPS personnel contamination errors and LWO has had zero FYTD through the 1<sup>st</sup> Quarter.

There has been 1 ORPS Area contamination event in M&O and in LWO this quarter.

There have been zero internal exposures in M&O and LWO.

See the attached Performance Indicator Summary or access Scorecard to view (see link below). 

<http://scorecard.srs.gov/Scorecard.aspx?FacilityCode=RCSM&ReturnToFacility=ESHRP>

**5) Discussion:** All members

The Environmental Monitoring Manager, Ben Terry, addressed the SAC members by discussing the Environmental ALARA Working Group and a newly developed procedure established for monitoring and reporting of radiological airborne and effluent releases. In the future, the Environmental ALARA Working Group chair (or designee) will obtain membership on the Site ALARA Committee. Annual radiological airborne and liquid effluent release ALARA guides (goals) established within the Environmental ALARA Working Group will be tracked, statures, and approved along with SAC annual ALARA goals. The Compliance Assessment Implementation Report (CAIR) for DOE Order 458.1 must be approved by May 21, 2012. Full implementation of DOE Order is required by August, 2012.